We claim:

- 1. An oven door locking mechanism which locks and unlocks the oven door at substantially different temperatures.
- 2. The oven door locking mechanism of claim 1 which locks the oven door at a temperature substantially higher than that at which it unlocks the oven door.
- 3. The oven door locking mechanism of claim 1 comprising a thermally responsive element capable of actuating locked and unlocked states of the oven door at different temperatures.
- 4. The oven door locking mechanism of claim 1 comprising a clutch mechanism.
- 5. The oven door locking mechanism of claim 4 wherein said clutch mechanism comprises:
 - a thermally responsive element;:
 - a clutch; and
 - a lock member.

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- 6. The oven door locking mechanism of claim 5 wherein said clutch has a first side and a second side, wherein said first side is engaged with said second side.
- 7. The oven door locking mechanism of claim 5 further comprising:

a first spring in contact with said lock member, wherein said lock member defines a first side of said clutch as a keyed aperture, said keyed aperture is engaged with said thermally responsive element.

- 8. The oven door locking mechanism of claim 7, wherein the keyed aperture comprises an annular recess.
- 9. The oven door locking mechanism of claim 7 wherein said lock member has a first end and a second end, said first end defines said keyed aperture.
- 10. The oven door locking mechanism of claim 7 wherein said thermally responsive element defines a second side of said clutch as a slot, said slot in engagement with said keyed aperture.

- 11. The oven door locking mechanism of claim 7 wherein said first spring encompasses said lock member.
- 12. The oven door locking mechanism of claim 10 wherein said slot is elongated.
- 13. The oven door locking mechanism of claim 7 further comprising:

a latch mechanism defining a lock hole adapted to receive said lock member; and

a mounting bracket wherein said first spring is affixed to said mounting bracket.

- 14. The oven door locking mechanism of claim 10 wherein said thermally responsive element is a bimetallic leaf secured at a first end and defining said slot at a second end.
- 15. The oven door locking mechanism of claim 13 wherein said lock hole comprises a receiver member.

16. The oven door locking mechanism of claim 15 wherein said receiver member is a bushing.

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17. An oven door locking mechanism comprising:a clutch;

a thermally responsive element defining a second side of said clutch as a slot;

a lock member defining a first side of said clutch as a recess, said recess is engaged with said slot;

a latch mechanism defining a lock hole adapted to receive said lock member at end opposite said recess, said lock hole comprises a bushing; and

a mounting bracket comprising a first spring, said first spring encompasses said lock member.

18.	An oven door locking mechanism comprising
	a clutch;

a first bimetallic leaf adapted to deflect in response to heating and cooling and defining one side of said clutch as a slot;

5 a lock member defining a second side of said clutch as a recess, wherein said recess is engaged with said slot;

a latch mechanism defining a lock hole adapted to receive said lock member at end opposite said recess;

a second bimetallic leaf adapted to deflect into engagement with a second notch defined in said latch mechanism to selectively prevent actuation of said latch mechanism; and

a mounting bracket comprising a first spring, said first spring encompasses said lock member.